

Product datasheet for **MG218488**

Gda (NM_010266) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gda (NM_010266) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gda
Synonyms:	AU015411; AW047581; GAH
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG218488 representing NM_010266
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTGTGCGGCTCGGACGCCCGCTGGCGCTCGTCTCCGAGGGACTTTCGTCCACTCCACCTGGACCT
 GCCCATGGAGGTGCTTCGCGATCACCTCTCGGCGTGAGCGACAGCGGCAAAATAGTGTTCCTAGAAGA
 ATCATCTCAGCAAGAAAACTGGCCAAGGAGTGGTGTCTCAAACCATGTGAGATCAGAGAACTGAGCCAC
 CATGAGTCTTTCATGCCAGGCCTTGTGATACCCACATCCATGCCCTCAGTATGCCTTTGCTGGAAGCA
 ACGTTGACCTGCCGCTTTGGAGTGGCTGAATAAGTATACATTTCCACAGAACAAGGTTCCGGAGCAC
 TGATGTGGCTGAAGAAGTCTACACTAGAGTTGTTAGGAGAACACTGAAGAACGGCACCACCACGGCTTGC
 TACTTTGGAACAATTCACACTGACTCATCCCTGATCCTTGCAGAAATTACAGATAAATTTGGGCAGCGAG
 CATTTGTGGGCAAAGTATGCATGGATTTGAATGATACTGTTCCAGAATAAAGGAGACCACCGAGGAGTC
 AGTCAAGGAGACAGAGAGATTTGTGTGAGAAATGCTGCAAAAGAATTATCCAAGGGTGAACCCATAGTG
 ACCCCACGCTTTACCTTTCTTGCACGGAGACTCTGATGAGTGAACCTGGCAACATCGCCAAGACCCATG
 ATCTGTACATCCAGAGCCATATAAGTGAAAATCGTGAAGAAATTGAAGCCGTGAAAAGCTTATACCCTAG
 TTACAAAACTACACAGATGTCTATGATAAAAAAATCTTCTGACAAAACAAGACAGTAATGGCACATGGC
 TGCTACCTTTCTGAAGAAGAAGTAAACATCTTCAGTGAACGAGGAGCATCCATTGCACATTTGCCAACT
 CTAATCTGTGCTGAGCAGTGGCTTACTGAACGTGCTTGAAGTCTGAAGCATAAAGTGAAGATAGGGCT
 GGGGACAGATGTGGCTGGTGGCTACTCCTATCCATGCTTGATGCCATCAGAAGAGCAGTCATGGTTTCC
 AATGTCCTCTTAATTAATAAGGTAATGAGAAAAACCTCACCTCAAAGAAGTCTTCAGACTAGCCACTC
 TTGGAGGAAGCCAAGCCCTGGGCTTGATAGCGAGATTGGAAACTTTGAAGTTGGCAAGGAATTTGATGC
 CCTCTTGATCAACCCAGAGCATCAGACTCTCCATTGATCTGTTTATGGGGATTTTGTGGTGATATT
 TCTGAGGCTGTTATCCAGAAGTTCTTTATCTAGGAGACGCCGAAATATTGAGGAGTTTATGTGGGTG
 GAAAGCAGGTCGTTCCATTCTCCAGCTCAGTG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG218488 representing NM_010266
 Red=Cloning site Green=Tags(s)

MCAARTPPLALVFRGTFVHSTWTCPMEVLRDHLGLVSDSGKIVFLEESSQQEKLAKIEWCFKPEIRELSH
 HEFFMPGLVDTHIHAPQYAFAGSNVDLPLEWLNKYTFPTEQFRFRSTDVAEEVYTRVRRRLKNGTTTAC
 YFGTIHTDSSLILAEITDKFGQRAFVGKVCMDLNDTVPEYKETTEESVKETERFVSEMLQKNYPRVKPIV
 TPRFTLSCTETLMSELGNIKTHDLYIQSHISENREEIEAVKSLYPSYKNYTDVYDKNLLTNKTVMAHG
 CYLSEEELNIFSERGASIAHCPNSNLSLSSGLLVLEVLKHKVKIGLGTDVAGGYSYSMLDAIRRAVMVS
 NVLLINKVNEKNLTLKEVFRLATLGGSQLGLDSEIGNFEVKGKEFDALLINPRASDSPIDLFGDFVVDI
 SEAVIQKFLYLGDNRNIEEVYVGGKQVVPFSSSV

TRTRPLE – GFP Tag – V

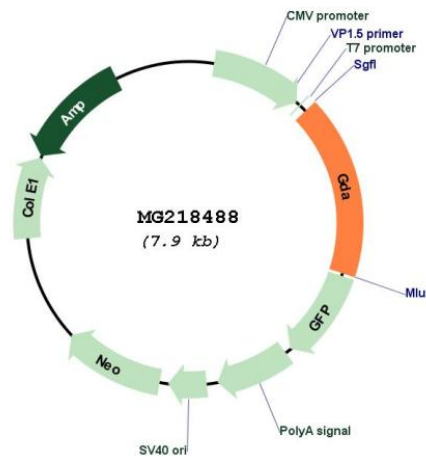
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_010266

ORF Size: 1362 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_010266.2</u> , <u>NP_034396.1</u>
RefSeq Size:	5417 bp
RefSeq ORF:	1365 bp
Locus ID:	14544
UniProt ID:	<u>Q9R111</u>
Cytogenetics:	19 14.32 cM
Gene Summary:	Catalyzes the hydrolytic deamination of guanine, producing xanthine and ammonia. [UniProtKB/Swiss-Prot Function]